

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

David A. Matthews *et al.*

Serial No.: 10/644,967

Filed: August 21, 2003

For: SYSTEM AND METHOD FOR PROVIDING
RICH MINIMIZED APPLICATIONS

Atty. Docket No.: 003797.01880

Group Art Unit: 2179

Examiner: Tuyetlien T. Tran

Confirmation No.: 7579

DECLARATION UNDER 37 C.F.R. § 1.131

The Honorable Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

We, David A. Matthews, Charles Cummins, Justin Mann, Mark Ligameri and Judson
Craig Hally, hereby declare that:

- 1) We are named as inventors of the above-captioned application.
- 2) We were employed by Microsoft Corporation (Microsoft) during conception and development of the inventions at least until the filing date of the above-identified application.
- 3) Microsoft is the assignee of the above-identified application.
- 4) Prior to August 3, 2003, the alleged publication date of "Desktop Sidebar v1.03 is out!" (<http://www.desktopsidebar.com>, "Desktop Sidebar"), we conceived of the invention recited in claims 1-5, 8-17, 20-28, 30-34 and 36 as attached herewith as Appendix A, which we understand will be filed by our patent counsel, Banner & Witcoff, LTD., in response to the Office Action dated December 21, 2006.
- 5) From just prior to August 3, 2003, until our constructive reduction to practice on August 23, 2003, we diligently pursued the preparation and filing of the above-identified application with the United States Patent & Trademark Office.

- 6) Conception of at least the invention of claims 1-5, 10, 12-16, 17, 21, 23-26, 28 and 31-34 is evidenced in an invention report prepared prior to August 3, 2003 and attached herewith as Exhibit A. Support for the claims is shown in at least the section of Exhibit A entitled "Description of the invention." Claims 1, 14, 25 and 31, as listed in Appendix A, generally relate to providing a user interaction scheme. The interaction scheme includes minimizing an application in response to minimization which is described in the "Description of the invention" section in at least the second paragraph. The scheme further includes displaying a tile in a sidebar to represent the minimized application in response to the minimize command, wherein the tile includes selected interactive application features, which is described in at least the second paragraph of the "Description of the invention" section of Exhibit A. The other rejected claims listed above are dependent on claims 1, 14, 25 and 31, respectively, and draw similar support from the various sections of Exhibit A.
- 7) Conception of at least the invention of claims 9, 20, 30 and 36 is evidenced in a planning document prepared prior to August 3, 2003 and attached herewith as Exhibit B. In particular, the "Description of the feature in pri order:" box of Exhibit B describes that "tiles have a flyout that offer more status and control."
- 8) Conception of at least the invention of claims 11, 22 and 27 is evidenced in a design specification prepared prior to August 3, 2003 and attached herewith as Exhibit C. Specifically, the ability to select features available through a tile is described in at least the section entitled "Tile Properties" of Exhibit C.

- 9) On August 4, 2003, our patent attorneys at the law firm of Shook, Hardy and Bacon, LLP forwarded a draft application to us for our review. The forwarding of this draft is evidenced by the email attached as Exhibit D. Due to some transmittal difficulties, the draft application was retransmitted on August 5, 2003 (also evidenced by Exhibit D).
- 10) On August 7, 2003, we provided comments and revisions to our patent attorneys, as shown in the email attached as Exhibit E.
- 11) On August 14, 2003, our patent attorneys prepared a revised application along with formal documents for our review and approval. The forwarding of the revised application is evidence by the e-mail attached as Exhibit F.
- 12) On August 21, 2003, the above-captioned patent application was filed in the U.S. Patent and Trademark Office.
- 13) The preparation of the invention report, the planning document and the design specification and the exchange of draft applications with our patent attorneys demonstrate conception of the invention prior to August 3, 2003, and diligence from a date just prior to August 3, 2003, until the filing and constructive reduction to practice of the above-captioned patent application.
- 14) All acts referred to in this Declaration were performed either in the United States, or in a WTO member country.
- 15) Exhibits A and C-F, have not been altered since they were originally prepared except for the redaction of references to dates and irrelevant or extraneous information.
- 16) We declare under penalty of perjury under the law of the United States of America that statements made herein of our own knowledge are true and that all

statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Respectfully submitted,



David A. Matthews

4/20/2007

Date

Charles Cummins

Date

Justin Mann

Date

Judson Craig Hally

Date

Mark Ligameri

Date


Serial No. 10/644,967

- 4 -

Atty. Dkt. No. 003797.01880

statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Respectfully submitted,

David A. Matthews_____
Date

Charles Cummins_____
5/31/2007

Date_____
Justin Mann_____
Date_____
Judson Craig Hally_____
Date_____
Mark Ligameri_____
Date

Serial No. 10/644,967

- 4 -

Atty. Dkt. No. 003797.01850

statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Respectfully submitted,

David A. Matthews

Date

Charles Cummins

Date



Justin Mann

5/18/2007
Date

Judson Craig Hally

Date

Mark Ligameri

Date

Serial No. 10/644,967

- 4 -

Atty. Dkt. No. 003797.01880

statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Respectfully submitted,

David A. Matthews

Date

Charles Cummins

Date

Justin Mann

Date



Judson Craig Halle

5/22/07

Date

Mark Ligameri

Date

Declaration Under 37 C.F.R. § 1.131 – Appendix A

** TOTAL PAGE.02 **

Serial No. 10/644,967

- 4 -

Atty. Dkt. No. 003797.01880

statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Respectfully submitted,

David A. MatthewsDateCharles CumminsDateJustin MannDateJudson Craig HallyDateMark LigamariDate

5/18/2007

APPENDIX A

1. A method in a computing system for providing a user interaction scheme comprising:
minimizing an application upon receiving a minimize command; and
revealing a tile in a sidebar to represent the minimized application in response to the minimize command, the sidebar configured to display a plurality of tiles corresponding to a plurality of applications, wherein revealing the tile includes displaying one or more interactive application features of the minimized application in the tile.
2. The method of claim 1, wherein the one or more interactive application features include a sub-set of the original application features.
3. The method of claim 1, wherein the one or more interactive application features include all of the original application features.
4. The method of claim 1, further comprising providing, in the tile, access to additional features not available in the application.
5. The method of claim 1, further comprising hiding an application window upon receiving the minimize command.
6. The method of claim 1, further comprising hiding a taskbar application button associated with the application upon receiving the minimize command.
7. The method of claim 1, further comprising hiding an alt-tab entry associated with the application upon receiving the minimize command.
8. (Cancelled).
9. The method of claim 2, further comprising providing access to the sub-set of application features through a fly-out menu accessible through the tile.

10. The method of claim 2, further comprising providing the user with a restore button accessible through the tile to allow the user to maximize the application.
11. The method of claim 2, further comprising providing an available features selection module for allowing selection of the one or more interactive features available through the tile.
12. The method of claim 2, further comprising allowing a user to determine a size of the tile.
13. A computer storage medium having computer executable instructions for performing the method of claim 1.
14. A method in a computing system for providing a user interaction scheme through the use of a sidebar, comprising:
 - moving an application to the sidebar upon receipt of a user command to minimize the application; and
 - displaying, without user interaction other than the user command, at least a sub-set of interactive features belonging to the application in the minimized application in the sidebar.
15. The method of claim 14, further comprising providing access to additional features not available in the application.
16. The method of claim 14, further comprising inserting a tile in the sidebar for providing access to the application.
17. The method of claim 14, further comprising hiding an application window upon receiving the minimize command.
18. The method of claim 14, further comprising hiding a taskbar application button associated with the application upon receiving the minimize command.
19. The method of claim 14, further comprising hiding an alt-tab entry associated with the application upon receiving the minimize command.

20. The method of claim 16, further comprising providing access to the sub-set of application features through a fly-out menu accessible through the tile.
21. The method of claim 16, further comprising providing the user with a restore button accessible through the tile to allow the user to maximize the application.
22. The method of claim 16, further comprising providing an available features selection module for allowing selection of the at least a sub-set of interactive features available through the tile.
23. The method of claim 16, further comprising allowing the user to determine a size of the tile.
24. A computer storage medium having computer executable instructions for performing the method of claim 12.
25. A system for providing user access to a variety of informational items, the system comprising:
- a processor for generating a sidebar displaying a plurality of tiles;
 - at least one application including an insertion module for inserting a tile into the sidebar, wherein one or more selected interactive features of the application are displayed in the tile when the application is represented by the tile in the sidebar; and
 - user interface tools for allowing a user to command placement of a selected application into the sidebar.
26. The system of claim 25, further comprising a restoration module for restoring the application through the use of the tile.
27. The system of claim 25, further comprising an available features selection module for selecting the one or more selected interactive application features for display in and accessibility through the tile.

28. The system of claim 25, further comprising special controls for allowing removal of the application from the sidebar.

29. The system of claim 25, further comprising sidebar controls for hiding a taskbar application button associated with the application, an alt-tab entry associated with the application, and an application window associated with the application upon receiving the minimize command.

30. The system of claim 25, further comprising a fly-out menu for providing access to the selected one or more interactive application features displayed in the tile.

31. A system for providing access to a minimized application through a user interface, the system comprising:

a processor;

an available feature selection module for allowing an application to provide one or more selected interactive features of the application including at least a sub-set of a full feature set upon minimization of the application; and

a tile insertion module for revealing a tile corresponding to the application upon minimization and for displaying the selected interactive features in the tile in response to minimization.

32. The system of claim 31, wherein the tile insertion module reveals a tile in a sidebar configured to host the tile within the user interface, wherein the sidebar includes a plurality of tiles corresponding to a plurality of applications.

33. The system of claim 31, further comprising a restoration module for restoring the application through the use of the tile.

34. The system of claim 31, further comprising special controls for allowing removal of the application from the sidebar.

35. The system of claim 31, further comprising sidebar controls for hiding a taskbar application button, an alt-tab entry, and an application window upon receiving the minimize command.

36. The system of claim 31, further comprising a fly-out menu for providing access to the one or more selected interactive features displayed in the tile.

EXHIBIT A

Microsoft Patent Pre-disclosure Document

Note: Hover the pointer over underlined section headings for more help and click on a link for a sample document.

Introduction:

This patent is about the ability for an application to decide which features are so important that they should be available on screen even when the application is minimized. It also covers the users' ability to choose which applications do this, where the UI is placed, and how much room they take up.

Strategic Importance:

Many applications have some set of features that are useful to a user even when the application window is minimized. Some applications offer mini versions so that a user can make the app very small and out of the way while still having access to important information and controls.

With Rich Minimized Apps that live in the Sidebar we have a standard way for applications to provide controls and information even when they're minimized. The user has control over which applications are able to do this, and how much room they take up when they're minimized.

Description of the invention:

A rich minimized app is an application that moves into the sidebar when it is minimized. These are a type of transient tile, and so they follow all the insertion rules for other transient tiles (see UI Squishing)

An application (such as a media player) that wants to offer controls and information to the user even when it's minimized (such as song name, and play/pause controls) can build a rich minimized app tile for the sidebar. When the user minimizes the application by clicking on the minimize button (or using another way of minimizing a window), the main application window goes away and a tile appears in the sidebar. The tile provides some information and controls that were in the main window so that the user still has access to them even though the window is minimized.

When the user wants to switch back to the larger window, they click on the restore button in the tile. The restore button is unique to RMA tiles. This re-opens the application window and removes the tile from the sidebar.

The sidebar provides several functions for an application that provides an RMA. When the app minimizes, the sidebar will draw the animation zooming to the sidebar rather than the taskbar. The sidebar will remove the window's button from the taskbar and will remove the entry from the Alt-tab menu. When the window is restored, the sidebar will ensure the the taskbar button and Alt-tab entry show again.

Special controls

1. An RMA header has a restore button that appears next to the icon on hover
2. The right-click menu of the RMA tiles has Restore, Maximize, Close.
3. The "Remove from bar" option has a confirmation dialog so that it isn't confused with close.
 - 3.1. The dialog says "Removing this tile will prevent this app from minimizing to the Sidebar in the future. Ok Cancel"

Standard behavior

Aside from its special controls, a minimized app should act like any other transient tile.

Microsoft Patent Pre-disclosure Document

Note: Hover the pointer over underlined section headings for more help and click on a link for a sample document.

After a reboot or logout a minimized app should remain in the bar (though if this is too difficult it is not required). The RMA tile is responsible for restarting any processes that are required to make it work, and the RMA must also tell the bar what app to launch when it's restored.

Spam prevention

If a user does not want an app to minimize to the sidebar, they can select the "Remove from bar" option in the context menu or Add / Remove tiles page. This will prevent the app from minimizing to the bar. The user gets a confirmation in this case to ensure they didn't mean to just close the tile. The user can re-add it from the Add/Remove page and it will again be allowed to minimize to the bar.

Implementation

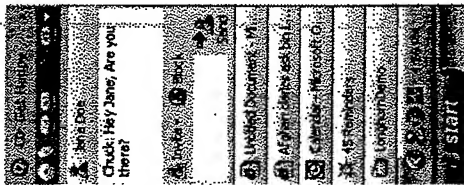
1. An app that wants to minimize to the sidebar calls **SidebarMinimizedApp** with 3 parameters: the **guid of the tile**, an **init string** to get the tile started, and a **pointer to its hwnd** (optional).
 - 1.1. The sidebar watches to see when the window is minimized
 - 1.2. When it's minimized (or if there was no hwnd to begin with), the sidebar hides the app's window, taskbar button, and alt-tab entry, and shows the tile in the bar
2. When the user clicks the restore button in the tile
 - 2.1. If the tile **has implemented a Restore handler**,
 - 2.1.1. The sidebar calls it on a separate thread
 - 2.1.2. The tile UI is hidden
 - 2.1.3. When the handler returns, the sidebar disposes of the tile on the original thread
 - 2.2. If the tile **has not** implemented a Restore handler,
 - 2.2.1. The tile UI is hidden
 - 2.2.2. The sidebar disposes the tile
 - 2.2.3. The sidebar restores the app window, taskbar button, and alt-tab entry

Microsoft Patent Pre-disclosure Document

Note: Hover the pointer over underlined section headings for more help and click on a link for a sample document.



EXHIBIT B



Description of the feature in pri order:

1. Open apps can provide info through their task tile (beyond just window title)
2. Open applications can be controlled from their task tile
3. Tiles have a flyout that offer more status and control
4. Tiles can be larger than one line if need be. (makes sense when stacked vertically in a bar)
5. When space is short, the tiles shrink in an intelligent way. (mfu stay big)
6. Background apps and services can provide ui in a similar way (replace need for deskbands; more standard ui for tray items)

UI states:

- Tile: just one line
- Large tile: Up to n lines
- Flyout: standard menu available from tile
- Window: normal restored or maximized window

Transition between large and small tile:

- No room for each tile to be large
- Only MFU get to be large
- Details...

Glommed windows use flyout?

Possible app uses

App	Tile controls	Flyout controls
Music player	Play/pause, next track, prev track, song title, volume	Playlists
Video player	Video, volume	Stop, fwd, rewind, open, volume
Video chat	Buddy list, who's online, start a chat	Outgoing image, outgoing volume, invite
Buddies	Chat text	
IM	Progress, title	Stop
Download	?	List view of files
Explorer	Instructions	
Help	Feedback: (recognized word), mute	
Voice rec	Load progress, URL	New window, favorites, small view?
IE	Restore from fullscreen	Small doc view?
Word	How many messages, last few titles	More titles, compose
Email	Device controls	
Ehomes	Bid status	
Ebay	Next appt	Today's appts, new appt
Calendar	Slide show of thumbnails	Setup slideshow
Pictures	Copy, delete, rip, burn, etc.	
Progress	Minutes online	Minutes since dial (international), disconnect, traffic
Connection	Counter	Count up/down
Timer	Time remaining, status	Override
Parental controls	Current language, toggle between languages	More settings
Language bar		

Start Page

Goals

- Status & notification (Welcome back.. What did I miss while I was away?)
- Expose breadth of the computer (Promote activity centers)
- Online - expose breadth of network (MSN home page)
- Give access to what a user is most likely to do
- OEM/partner/corporate branding
- Extension of welcome screen calendar (personal.net) (Richard Banks (personal.net design lead (hip)))

EXHIBIT C



Longhorn Power Management: Foundation UX (M5)

How we'll beat the always on, plugged into the wall workaround with Longhorn's power management features.

Overview & Scope
Problems & Opportunities
Plan Summary
Detailed Design
Implementation Documents
Security
Instrumentation
Feature Q&A
Checklist

Closed for M5

Overview & Scope

When running on battery power, Longhorn will display the battery status and other vital power management information in a prominently displayed Power Bar Part. When the Sidebar is minimized, the Bar Part will move to the System Tray, but will be wider than the standard 16 x 16 icon to be recognizable and provide at-a-glance status. Out of the box, the Longhorn Kernel Power Manager (KPM) will automatically and aggressively throttle and turn off idle devices to give the user hours of battery life, without any fine tuning on her part. For example, it will automatically turn off the internal display after a minute or so of inactivity. However, the user could be reading a document, projecting a spreadsheet or doing some other task that looks to the system like inactivity. To give her full and final control over system availability, the system will notify her in advance, using the Longhorn notifications infrastructure, of upcoming automatic actions. From the notification she will be able to temporarily disable the action or change the settings that control it.



Problems & Opportunities

NOTE TO REVIEWERS: The section below describes current problems, opportunities and feature goals that we will hit by Longhorn RTM. It is not scoped on any individual LH milestone.

When the Sidebar is closed, the PM Tile will move to the System Tray, above the "fold". If the Tile is set to use the Large version of the battery icon, it will continue to display this icon in an expanded 16 w x 48 h px rect. As the screenshot below shows, in this configuration, the Tile has the same appearance in the Tray as it does when the Sidebar is open and at minimum width. This behavior will greatly improve at-a-glance recognition, regardless of whether the Sidebar is open or closed.



Figure 10 – PM Tile in the System Tray

Issue: Need a commitment from DMatt for the expanded System Tray rect.

Dave has documented our request in his M5 spec, but has not yet committed to it as part of the booked plan. They plan to decide in M6 whether our request makes the bar.

If the user explicitly chooses the Small version of the battery icon, the PM Tile will show the Small icon in the Tray when the Sidebar is closed.

Tray Icon Mouse Event Handling

When the PM Tile is minimized to the Tray, it will handle mouse events exactly the same way as it does when the Sidebar is up (see Table 3). It will pop up the flyout pop up the flyout above the Tray in response to clicks anywhere in its bounding rect. If the user hovers the cursor over its bounding rect, it will show the same battery status tooltip described in Table 4.

Tile Properties

The PM Tile will have a simple Properties page that the user tunnels to from the Options menu. In M5, the Properties page will have the settings shown below.

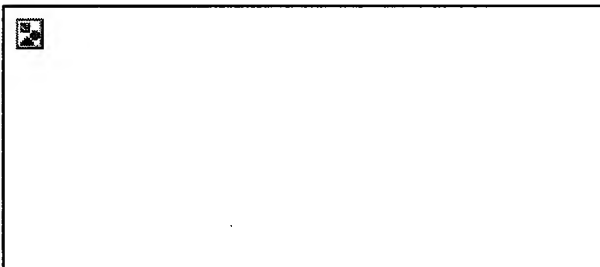


Figure 11 – Tile Properties UI

The table below describes how each setting affects the Tile behavior if the user clicks the OK button in the Properties page. If she clicks Cancel, the Tile will dismiss the Properties page without changing any settings.

Group	Label	Tile Behavior if Set	Tile Behavior if Cleared
Icon	Large	Displays Large battery icon in Sidebar and Tray	n/a
Icon	Small	Displays Small battery icon at all times. Time and percentage remaining are displayed in Tooltip.	n/a
Information	Show time remaining	Displays time remaining in battery meter if Large version selected. If Small version selected, time remaining will only be	Tile does not show time remaining, even if Large icon selected.

		shown in Tooltip.	
Information	Show percentage remaining	Displays percentage remaining as gas gauge when Tile body visible.	Tile does not display gas gauge.
n/a	Hide the battery meter...	Tile automatically hides itself when the timer set by the value in the edit control expires.	Tile does not hide automatically.

Table 7 – Tile Options Logic

Notifications

We've learned from past experience with Outlook, Messenger and Windows XP that there is a very fine line between effective and ineffective notifications. The Outlook 11 and Messenger notifications generally fall on the effective side because they help the user decide at-a-glance whether to pay attention to an incoming communication. The XP notifications generally fall on the ineffective side because there are too many of them and they usually signal something unimportant. To avoid falling on the ineffective side of the line, the power management notifications will follow the five criteria listed earlier in the spec. In M5, we will test the effectiveness of notifications that follow these criteria by limiting them to the events listed in the table below.

Event	Category	Purpose	New for LH?	Priority
Low battery alarm level reached	Alarms	Warns the user that battery is running low to help her prevent work interruption and/or data loss	No	0
Critical battery alarm level reached	Alarms	Warns the user that battery is at critical and hibernation is about to happen.	No	0
Display off idle timer "about" to expire	Power Savers	Alerts the user that the system will turn off the display soon and gives her the option to disable the display timer	Yes	1
Maximum performance setting selected on switch to battery power	Assistance	Informs the user that the max perf setting is selected and gives her the option to switch to a better setting	Yes	2

Table 8 – M5 Power Management Notifications

When one of the events listed in the tables above occurs, a standard Longhorn notification toast will pop up as close as possible to the global x, y origin of the PM Tile. For example, if the Tile is in the System Tray because the Sidebar is down, the toast will appear above the Tray, aligned as closely as possible with the Tile icon. This spatial proximity will help the user link the notification to power related status and settings. Under the hood, the Avalon app that drives the Tile will be the actual source of the notifications. It will declare one notification source in its manifest for each category listed in the table above. In other words, the NotificationCategory property in the declarations will match the strings in the table, meaning that a full text search of the manifest file for the key word 'Assistance' will turn up one hit. The NotificationSource property will be set to "Power Settings".

NOTE: These strings are placeholders pending UA and Usability review and input.

The Tile app will also be the receiver for the kernel events needed to determine whether the trigger conditions for the notification have been met. When a set of trigger conditions are met, it will call into the Longhorn InfoAgent to display the notification. The Tile will add the Critical Battery and Display Idle Timer notifications to the user's exception list so that she will still be notified by default in Do Not Disturb mode. The Tile will register the Low Battery notification, but will turn it off by default because the new battery meter does a much better job of letting the user know the battery is running low. If the user prefers both alerts, as in previous OS releases, she can turn on the Low Battery notification in the LH Notifications Options UI. If she does not want the Critical Battery notification, Display Idle Timer or both to pop up in DnD mode, she can remove them from the exception list.

EXHIBIT D

Andy Mu

From: Owens, Kerry H. [KOWENS@shb.com]
Sent: Tuesday, August 05, 2003 5:12 PM
To: Dave Matthews; Craig Hally; Chuck Cummins; Justin Mann; Mark Ligameri
Cc: MSFiling
Subject: FW: MS 304019.01/MFCP 107183

Attachments: 107183app.doc



107183app.doc
(131 KB)

I'm guessing that the size of the visio attachment was too large to transmit to you. I'll start with the application and try and divide up the drawings and send them to you separately.

> -----Original Message-----

> From: Owens, Kerry H.
> Sent: Tuesday, August 05, 2003 3:37 PM
> To: Dave Matthews (E-mail)
> Cc: 'msfiling@microsoft.com'
> Subject: FW: MS 304019.01/MFCP 107183

>
>
>
>
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>

> -----Original Message-----

> From: Owens, Kerry H.
> Sent: Tuesday, August 05, 2003 9:40 AM
> To: Dave Matthews (E-mail)
> Cc: 'msfiling@microsoft.com'
> Subject: FW: MS 304019.01/MFCP 107183

>

> This message seems to be experiencing delivery difficulties...let me know if you get this.

>

> -----Original Message-----

> From: Owens, Kerry H.
> Sent: Monday, August 04, 2003 6:19 PM
> To: Dave Matthews (E-mail); Charles Cummins (E-mail); Craig Hally (E-mail); Justin Mann (E-mail); Mark Ligameri (E-mail)
> Cc: 'msfiling@microsoft.com'
> Subject: MS 304019.01/MFCP 107183

>
>

> Inventors,

> Attached is a draft of the above-identified patent application.

> Thanks,
> Kerry
> <<107183app.doc>>

>
>
>

>

"MMS <shb.com>" made the following
annotations on 08/05/2003 04:12:18 PM

CONFIDENTIALITY NOTICE: This e-mail message including attachments, if any, is intended only for the person or entity to which it is addressed and may contain confidential and/or privileged material. Any unauthorized review, use, disclosure or distribution is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message. If you are the intended recipient but do not wish to receive communications through this medium, please so advise the sender immediately.

IN THE U.S., please contact:
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816-474-6550

IN EUROPE, please contact:
Shook, Hardy & Bacon International LLP
25 Cannon Street
London EC4M 5SE
44-020-7332-4500

EXHIBIT E

Andy Mu

From: Owens, Kerry H. [KOWENS@shb.com]
Sent: Tuesday, August 12, 2003 3:57 PM
To: Dave Matthews; Craig Hally; Chuck Cummins; Mark Ligameri; Justin Mann
Subject: FW: MS 304019.01/MFCP 107183



-----Original Message-----

From: Dave Matthews [mailto:dmatt@windows.microsoft.com]
Sent: Thursday, August 07, 2003 2:48 PM
To: Owens, Kerry H.; Craig Hally; Chuck Cummins; Justin Mann; Mark Ligameri
Cc: MS Patent Filing
Subject: RE: MS 304019.01/MFCP 107183

Comments on RMA patent:





Dave

-----Original Message-----

From: Owens, Kerry H. [mailto:KOWENS@shb.com]
Sent: Tuesday, August 05, 2003 2:12 PM
To: Dave Matthews; Craig Hally; Chuck Cummins; Justin Mann; Mark Ligameri
Cc: MS Patent Filing
Subject: FW: MS 304019.01/MFCP 107183

I'm guessing that the size of the visio attachment was too large to transmit to you. I'll start with the application and try and divide up the drawings and send them to you separately.

> -----Original Message-----

> From: Owens, Kerry H.
> Sent: Tuesday, August 05, 2003 3:37 PM
> To: Dave Matthews (E-mail)
> Cc: 'msfiling@microsoft.com'
> Subject: FW: MS 304019.01/MFCP 107183

> -----Original Message-----

> From: Owens, Kerry H.
> Sent: Tuesday, August 05, 2003 9:40 AM
> To: Dave Matthews (E-mail)
> Cc: 'msfiling@microsoft.com'
> Subject: FW: MS 304019.01/MFCP 107183

> This message seems to be experiencing delivery difficulties...let me know if you get this.

> -----Original Message-----

> From: Owens, Kerry H.
> Sent: Monday, August 04, 2003 6:19 PM
> To: Dave Matthews (E-mail); Charles Cummins (E-mail); Craig Hally (E-mail); Justin Mann (E-mail); Mark Ligameri (E-mail)
> Cc: 'msfiling@microsoft.com'
> Subject: MS 304019.01/MFCP 107183

>
>

"MMS <shb.com>" made the following
annotations on 08/05/2003 04:12:18 PM

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Shook, Hardy & Bacon LLP
1200 Main Street
Kansas City, MO 64105-2118
816-474-6550

IN EUROPE, please contact:
Shook, Hardy & Bacon International LLP
25 Cannon Street
London EC4M 5SE
44-020-7332-4500

"MMS <shb.com>" made the following
annotations on 08/12/2003 02:57:24 PM

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EXHIBIT F

Andy Mu

From: Owens, Kerry H. [KOWENS@shb.com]
Sent: Thursday, August 14, 2003 9:41 AM
To: Dave Matthews; Craig Hally; Chuck Cummins; Justin Mann; Mark Ligameri
Cc: Cruz-Boyden, Romana "Lynn"; Balderston, Scott D.; MSFiling
Subject: MS 304019.01/MFCP 107183

Attachments: DC-104440-v1-MFCP_107183_-_Combined_Declaration_Power_of_Attorney.DOC;
DC-104441-v1-MFCP_107183_-_Assignment.DOC; 107183app.doc



DC-104440-v1-MFCDC-104441-v1-MFC 107183app.doc
P_107183_-_Com... P_107183_-_Ass... (160 KB)

Everyone,

Attached are three documents including a revised version of the application (turn on track changes to see revisions), a declaration, and an assignment. The corrected drawings will follow in separate emails.

Thanks very much for your efforts with respect to this application!
Kerry

"MMS <shb.com>" made the following
annotations on 08/14/2003 08:40:46 AM

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